

$$d = l \left(\sqrt{\frac{1}{\tan^2 \left(\frac{\alpha}{2n} \right)} + 1} \right)$$

and whereby the diameter d for each plate within the system is unique, and the value for $n(360^\circ \alpha)$ for each consecutive plate diameter d in the system is a multiple of 3.

2. (Amended) The orthopaedic spatial fixation system of claim 1 further comprising bone pins for interfacing the bone parts and plates; and,

a plurality of struts that extend between the plates to hold the plates in a selected position relative to one another and relative to the bone parts;

wherein the struts are attached to the plates at the attachment structures; and,

wherein a plurality of the struts have adjustable length sections for varying the length of the strut to adjust the relative position of the plates.

3. (Amended) The orthopaedic spatial fixation system of claim 2 wherein the attachment structures on at least one of the plates are one hundred twenty degrees (120°) apart.

4. (Amended) The orthopaedic spatial fixation system of claim 1 wherein rotation of one plate one hundred twenty degrees (120°) relative to an adjacent plate results in the same alignment of adjacent attachment structures as before such rotation of the plates.

5. (Amended) The orthopaedic spatial fixation system of claim 1 wherein the plates are symmetrically configured so that if one plate is placed over an adjacent plate, the attachment structures in each plate can be aligned.

6. (Amended) The orthopaedic spatial fixation system of claim 5 wherein the plates are symmetrically configured so that one plate can be flipped over without affecting the alignment of adjacent attachment structures.

7. (Amended) The orthopaedic spatial fixation system of claim 2 wherein there are two plates and each plate includes 3 attachment structures.

8. (Amended) The orthopaedic spatial fixation system of claim 7 wherein

there are six struts each having a first end and a second end;

the first end of each strut is attached to one of the plates and the second end of each strut is attached to the other plate;

the ends of the struts are attached to the plates at the attachment structures; and, each hole accommodates two strut ends, one from each of two adjacent struts.

Kindly add the following new claims:

9. The orthopaedic spatial fixation system of claim 1, wherein the attachment structures are holes.

10. The orthopaedic spatial fixation system of claim 1, wherein the attachment structures are pegs that are adapted to facilitate attachment of an accessories adapted to receive the pegs.

11. The orthopaedic spatial fixation system of claim 1, wherein the circle comprises a groove and the attachment structures are clamps attached to the groove.

12. The orthopaedic spatial fixation system of claim 1, further comprising markings or etches to designate the attachment structure positions.

13. The orthopaedic spatial fixation system of claim 1, further comprising one or more plates being multiple diameter plates having a second set of attachment structures.

14. The orthopaedic spatial fixation system of claim 13, wherein the second set of attachment structures is not spaced according to the diameter equation and cord length limitations.